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Spec Sheet

**450 Watt ATX12V 2.3 80 Plus® Gold Computer Power Supply w/ Active PFC**

*StarTech ID: ATX2PW450GO*

The ATX2PW450GO 450 Watt 80 Plus® Gold Power Supply offers an energy efficient replacement or upgrade for powering your desktop PC. Operating at an 87% to 90% efficiency between 20% and 100% load, 80 Plus Gold power supplies deliver a significant improvement over standard-efficiency power supplies that helps reduce energy consumption and cost of operation.

This versatile power supply is equipped to support AMD or Intel CPU-based servers and workstations with a combined 20/24-pin motherboard connection, and an 8-pin EPS connector.

The ATX2PW450GO is backed by a StarTech.com 2-year warranty and free lifetime technical support.

**Applications**

- Replacing an older, less reliable power supply
- Upgrading or building an energy-efficient PC with a more efficient, 80 Plus Gold-certified power supply
- Upgrading existing systems to meet new system requirements for SATA drive connections and PCIe graphics

**Features**

- 80 Plus Gold-Certified
- Support for Intel and AMD Systems
- Complies with Intel EPS 12V rev: 2.8/2.92
- Complies with ATX 12V rev: 2.3
- Large 12cm fan
- Active Power Factor Correction (A-PFC)
- Protection: Short Circuit Protection (SCP), Over Voltage Protection (OVP), Over Current Protection (OCP), Over Power Protection (OPP)
- 110~240VAC Auto switching power supply

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**Technical Specifications**

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|---|---|
| Warranty | 2 Years |
| Fan Bearing Type | Sleeve Bearing |
| Fans | 1 - 120 mm |
| Output Connectors | 1 - ATX 12V EPS Split Power (4+4 pin) |
| Output Connectors | 1 - ATX 12V P4 Power (4 pin; v 2.x) |
| Output Connectors | 1 - ATX AUX Power (6 pin; v 1.x) |
| Output Connectors | 1 - ATX Split Power (20+4 pin; v 2.x) |
| Output Connectors | 1 - PCI Express Power (8 pin; v 2.x) |
| Output Connectors | 3 - LP4 (4 pin; Molex Large Drive Power) |
| Output Connectors | 4 - SATA Power (15 pin) |
| Efficiency Rating | **115V:**<br>87% @ 20% - 90 Watt<br>90% @ 50% - 225 Watt<br>87% @ 100% - 450 Watt<br><br>**230V:**<br>88% @ 20% - 90 Watt<br>92% @ 50% - 225 Watt<br>88% @ 100% - 450 Watt |
| Output Power | 450W |
| Power Factor Correction | Active |
| Color | Black |
| Enclosure Type | Aluminum |
| Product Height | 140 mm [5.5 in] |
| Product Length | 150 mm [5.9 in] |
| Product Weight | 197 g [7 oz] |
| Product Width | 68 mm [2.7 in] |
| Current +12.0V1 (A) | 37 A |
| Current +12.0V2 (A) | 37 A |
| Current +12.0V3 (A) | 37 A |
| Current +12.0V4 (A) | 37 A |
| Current +3.3V (A) | 20A |
| Current +5.0V (A) | 20 A |
| Current +5.0Vsb (A) | 2.5A |
| Current -12.0V (A) | 0.5A |
| Current -5.0V (A) | 37 A |
| Input Voltage | 100~240V |
| Input Voltage Frequency | 50 ~ 60 Hz |
| Max Inrush Current | 60A @ 110VAC / 120A @ 220VAC |
| Humidity | 10~90% RH |

| | |
|---|---|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -20°C to 80°C (-4°F to 176°F) |
| Shipping (Package) Weight | 2410 g [85.1 oz] |
| Included in Package | 1 - 450 Watt Power Supply |
| Included in Package | 1 - Quick Install Guide |

**Certifications, Reports and Compatibility**

RoHS Compliant Available